WHAT IS CLAIMED:

1	1. A method for measuring mobile charge in a dielectric
2	layer on a substrate, said method comprising:
3	applying at least one first polarity corona bias
4	temperature stress cycle to said layer;
5	applying successive second polarity corona bias temperature
6	stress cycles to said layer and measuring a
7	corresponding voltage drop, said successive cycles
8	being of substantially equal time; and
9	determining said mobile charge according to said voltage
10	drops.
1	2. A method for measuring mobile charge in a dielectric
2	layer on a substrate, said method comprising:
3	applying at least one first polarity corona bias
4	temperature stress cycle to said layer;
5	applying successive second polarity corona bias temperature
6	stress cycles to said layer and measuring a
7	corresponding voltage drop until said voltage drops
8	approach a terminal value; and
9	determining said mobile charge according to said voltage
10	drops.
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1	3. A method for measuring mobile charge in a dielectric
2	layer on a substrate, said method comprising:
3	applying at least one first polarity corona bias
4	temperature stress cycle to said layer;
5	applying successive second polarity corona bias temperature
6	stress cycles to said layer and measuring a
7	corresponding voltage drop;
8	creating a dipole potential monitoring site on said layer
9	with a second polarity corona prior to at least one
10	first polarity corona bias temperature stress cycle;
11	measuring a dipole site voltage at said site before and

12	after at least one second polarity corona bias
13	temperature stress cycle; and
14	determining said mobile charge according to said voltage
15	drops and said dipole site voltages.
1	4. A method for measuring mobile charge in a dielectric
2	layer on a substrate, said method comprising:
3	applying at least one first polarity corona bias
4	temperature stress cycle to said layer;
5	applying successive second polarity corona bias temperature
6	stress cycles to said layer and measuring a
7	corresponding voltage drop;
8	measuring an amount of charge necessary to bias said
9	substrate from a midband condition to a pull-up
10	condition before at least one said successive second
11	polarity corona bias temperature stress cycle;
12	measuring an amount of charge necessary to bias said
13	leakage monitoring site back to said midband condition
14	after said at least one of said successive second
15	polarity corona bias temperature stress cycles; and
16	determining said mobile charge according to said voltage
17	drops and a difference between said charge
18	measurements.
1	5. A method according to claim 4, wherein said midband
2	conditions are determined by a surface photovoltage measurement.
1	6. A method for measuring mobile charge in a dielectric
2	layer on a substrate, said method comprising:
3	applying at least one first polarity corona bias
4	temperature stress cycle to said layer;
5	applying successive second polarity corona bias temperature
6	stress cycles to said layer and measuring a
7	corresponding voltage drop;

measuring a surface photovoltage before and after at least

9	one of said successive second polarity corona bias
10	temperature stress cycles; and
11	determining said mobile charge according to said voltage
12	drops and said surface photovoltages.
1	7. A method for measuring mobile charge in a dielectric
2	layer on a substrate, said method comprising:
3	applying at least one first polarity corona bias
4	temperature stress cycle to said layer;
5	applying successive second polarity corona bias temperature
6	stress cycles of substantially equal time to said
7	layer and measuring a corresponding voltage drop until
8	said voltage drops approach a terminal value;
9	creating a dipole potential monitoring site on said layer
10	with a second polarity corona prior to at least one
11	first polarity corona bias temperature stress cycle;
12	measuring a dipole site voltage at said site before and
13	after at least one second polarity corona bias
14	temperature stress cycle;
15	measuring an amount of charge necessary to bias said
16	substrate from a midband condition to a pull-up
17	condition before at least one said successive second
18	polarity corona bias temperature stress cycle;
19	measuring an amount of charge necessary to bias said
20	leakage monitoring site back to said midband condition
21	after said at least one of said successive second
22	polarity corona bias temperature stress cycles;
23	measuring a surface photovoltage before and after at least
24	one of said successive second polarity corona bias
25	temperature stress cycles; and
26	determining said mobile charge according to said voltage
27	drops, said dipole site voltages, a difference between
28	said charge measurements and said surface
29	photovoltages.